**COMMISSION ON WATER RESOURCE MANAGEMENT**

**ROUTE SLIP FOR PERMIT ISSUANCE**

**FROM:** RYAN BAUER, G. CHING, F. DANBARA, S.-FUJII, N. GOODING, K. HARDY, R. HIGA, D. HIRANO, E. ICE, C. IMATA, R. JINNAI, R.

**DATE:** 11/24/02

**TO:** KUNIMURA, I. MAHIAI, T. NAKAMA, L. NAKANO, D. OHYE, M. SUBIA, S. SWANSON, S. YODA, K.

**INIT.**

**FOR:** Approval, Signature, Information

**PLEASE:**

1. Review & Comment
   - Take Action
   - Type Draft
   - Type Final
   - File

**SUSPENSE DATE:**

**WELL NUMBER:** 5200-02

**WELL NAME:** 8043 well

**ATTACHMENTS FOR WELL CONSTRUCTION PERMIT:**

1. COVER LETTER
2. PERMIT (2x)
3. SDWB
4. WWB
5. CBW
6. HEER
7. LD
8. HP
9. PUMP TEST
10. WCR I FORM

**TO BE SENT TO APPLICANT**

**FOR OFFICE USE ONLY**

**ATTACHMENTS FOR PUMP INSTALLATION PERMIT:**

1. COVER LETTER
2. PERMIT (2x)
3. SDWB
4. WWB
5. CBW
6. HEER
7. LD
8. HP
9. WCR II FORM
10. WUR FORM

**TO BE SENT TO APPLICANT**

**FOR OFFICE USE ONLY**

- C: Waikel Drilling
- By: 5685
- 960745
- 
- V15 also see to JWA 8043
- 960 8152

- 15 gpm pump
Mr. J.W.A. Buyers

Dear Mr. Buyers:

Pump Installation Permit

Buyers Well (Well No. 5206-02)

Enclosed are two (2) originals of your approved Pump Installation Permit for the captioned well(s) that authorize permanent pump installation work for your well(s). As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 11:

Special Conditions

1. If the elevation benchmark needs to be altered, the permittee, well operator, and/or well owner shall ensure that the benchmark is transferred (or the well resurveyed) and documentation of the new benchmark shall be submitted to the Commission within sixty (60) days after the pump is installed.

2. Please enclose the pump specification and rating curve for the installed pump with the Well Completion Report.

The permittee, well operator, and/or well owner are responsible for all conditions of the permit. This includes ensuring that the pump installation contractor submits a completed Part II of the Well Completion Report form (enclosed) within sixty (60) days after the pump installation work is completed. Be advised that you may be subject to fines of up to $1000 per day for any violations of your permit conditions starting from the permit approval date.

Please sign and have the contractor sign both permit originals and return one for our files. A copy of the Well Completion Report (Part II) and a copy of your water use report form are enclosed for your use.

IMPORTANT - Pump installation shall not commence until a fully signed permit is returned to the Commission. Except for the monthly water use report form, please provide copies of all the information in this packet to your pump installation contractor.

If you have any questions, please call Ryan Imata of the Commission staff at 587-0255 or toll-free at 974-4000 (Hawaii), 274-3141 (Kauai), 984-2400 (Maui), or 1-800-468-4644 (Lanai & Molokai) extension 70255.

Aloha,

GILBERT S. COLOMA-AGARAN
Chairperson

Enclosure

c: Wai'eli Drilling
PUMP INSTALLATION PERMIT
Buyers Well, Well No. 5206-02

Note: This permit shall be prominently displayed at the site until the work is completed

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management’s Administrative Rules, Section 13-168, entitled “Water Use, Wells, and Stream Diversion Works”, this document permits the pump installation for Buyers Well (Well No. 5206-02) at Honoum Makai, Hawaii, TMK 2-8-15: 01, subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97) which include but are not limited to the following conditions:

1. The Chairperson to the Commission on Water Resource Management (Commission), P.O. Box 621, Honolulu, HI 96809, shall be notified, in writing, at least two (2) weeks before any work covered by this permit commences and staff shall be allowed to inspect installation activities in accordance with §13-168-15, Hawaii Administrative Rules.

2. The pump installation permit shall be for installation of a 15 gpm rated capacity or less, pump in the well.

3. The permittee, well operator, and/or well owner shall provide and maintain an approved meter or other appropriate means for measuring and reporting withdrawals and water levels, and appropriate devices or means for measuring chlorides and temperature. These data shall be measured monthly and reported to the Commission on a monthly basis, on forms provided by the Chairperson (attached).

4. The proposed use shall not adversely affect existing or future legal uses of water in the area, including any surface water or established instream flow standards. This permit or the authorization to pump water from a well shall not constitute a determination of correlative water rights. The permittee, well operator, and/or well owner are notified and by this provision understands that the quantity of water taken from the well could be reduced by the Commission in the future. This permit is not a commitment that the pump capacity permitted here or even some lesser amount is guaranteed in the future.

5. The permittee, well operator, and/or well owner shall complete and submit as-built drawings and Part II - (Permanent) Pump Installation Report of the Well Completion Report (attached) to the Chairperson within sixty (60) days after completion of work.

6. The permittee, well operator, and/or well owner shall comply with all applicable laws, rules, and ordinances, and non-compliance may be grounds for revocation of this permit.

7. The pump installation permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97). If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

8. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the pump installation permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Chairperson upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Chairperson no later than three (3) months prior to the date the permit expires. If the commencement date is not met, the Commission may revoke the permit after giving the permittee, well operator, and/or well owner notice of the proposed action and an opportunity to be heard.

9. If the well is not to be used it must be properly capped. If the well is to be abandoned then the permittee, well operator, and/or well owner must apply for a well abandonment permit in accordance with §13-168-12(f) prior to any well sealing or plugging work.

10. The permittee, its successors, and assigns shall indemnify, defend, and hold the State of Hawaii harmless from and against any loss, liability, claim, or demand for property damage, personal injury, or death arising out of any act or omission of the applicant, assigns, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

11. Special conditions in the attached cover transmittal letter are incorporated herein by reference.

Date of Approval: November 15, 2002
Expiration Date: November 15, 2004

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I shall not commence work until I and the pump installer have signed, dated, and returned the permit to the Commission. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day starting from the permit date of approval.

Printed Name: Firm or Title: __________________ _________________
Permittee’s Signature: __________________ Date: ____________

Printer Name: __________________ Firm or Title: __________________
Installer’s Signature: __________________ C-57, C-57a, or A License #: ______________ Date: __________

Printed Name: __________________ Firm or Title: __________________

Please sign both copies of this permit, return one to the Chairperson, and retain the other for your records.

Attachments
USGS
Department of Health/ Safe Drinking Water & Wastewater Branch
Hawaii Department of Water Supply
Well Drilling
PUMP INSTALLATION PERMIT
Buyers Well, Well No. 5206-02

Note: This permit shall be prominently displayed at the site until the work is completed.

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Work," this document contains the pump installation for Buyers Well (Well No. 5206-02) at Honolu Makai, Hawaii, TMK 2-8-15: 01, subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97) which include but are not limited to the following conditions:

1. The Chairperson to the Commission on Water Resource Management (Commission), P.O. Box 621, Honolulu, HI 96809, shall be notified, in writing, at least two (2) weeks before any work covered by this permit commences and staff shall be allowed to inspect installation activities in accordance with §13-168-15, Hawaii Administrative Rules.
2. The pump installation permit shall be for installation of a 15 gpm rated capacity or less, pump in the well.
3. The permittee, well operator, and/or well owner shall provide and maintain an approved meter or other appropriate means for measuring and reporting withdrawals and water levels, and appropriate devices or means for measuring pressure and temperature. These data shall be measured monthly and reported to the Commission on a monthly basis, on forms provided by the Chairperson (attached).
4. The proposed use shall not adversely affect existing or future legal uses of water in the area, including any surface water or established instream flow standards. This permit or the authorization to pump water from a well shall not constitute a determination of correlative water rights. The permittee, well operator, and/or well owner are notified and by this provision understands that the quantity of water taken from the well could be reduced by the Commission in the future. This permit is not a commitment that the pump capacity permitted here or even some lesser amount is guaranteed in the future.
5. The permittee, well operator, and/or well owner shall complete and submit as-built drawings and Part II - (Permanent) Pump Installation Report of the Well Completion Report (attached) to the Chairperson within sixty (60) days after completion of work.
6. The permittee, well operator, and/or well owner shall comply with all applicable laws, rules, and ordinances, and non-compliance may be grounds for revocation of this permit.
7. The pump installation permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97). If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.
8. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the pump installation permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Chairperson upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Chairperson no later than three (3) months prior to the date the permit expires. If the commencement date is not met, the Commission may revoke the permit after giving the permittee, well operator, and/or well owner notice of the proposed action and an opportunity to be heard.
9. If the well is not to be used it must be properly capped. If the well is to be abandoned then the permittee, well operator, and/or well owner must apply for a well abandonment permit in accordance with §13-168-12(f) prior to any well sealing or plugging work.
10. The permittee, its successors, and assigns shall indemnify, defend, and hold the State of Hawaii harmless from and against any losses, liability, claim, or demand for property damage, personal injury, or death arising out of any act or omission of the applicant, assigns, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.
11. Special conditions in the attached cover transmittal letter are incorporated herein by reference.

Date of Approval: November 15, 2002
Expiration Date: November 15, 2004

GILBERT S. COLOMA-AGARAN, Chairperson
Commission on Water Resource Management

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I shall not commence work until I and the pump installer have signed, dated, and returned the permit to the Commission. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day starting from the permit date of approval.

Permittee's Signature: [Signature]
Date: 12/26/02

Printed Name: N. W. A. BUYERS
Firm or Title: CHAIRMAN & CEO

Installer's Signature: [Signature]
Date: 12/26/00

Printed Name: C. DATE STRANDQUIST
Firm or Title: WAI'ELI DRILLING

Please sign both copies of this permit, return one to the Chairperson, and retain the other for your records.

Attachments
- USGS
  Department of Health/ Safe Drinking Water & Wastewater Branch
  Hawaii Department of Water Supply
  Wai'eli Drilling
TO: Honorable Bruce S. Anderson, Director
   Department of Health
   Attention: Dennis Tulang, Wastewater Branch
   William Wong, Safe Drinking Water Branch
   Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response
   Alec Wong, Clean Water Branch

FROM: Gilbert S. Coloma-Agaran, Chairperson
       Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
         Buyers Well (Well No. 5206-02)

Transmitted for your review and comment is a copy of the captioned Pump Installation permit application.

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by November 27, 2002. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255.

RESPONSE:

This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-29.

This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 15 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before initiating such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.

If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and backflow connections by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable spigots with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.

It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

For the applicant's information, a source of possible wastewater contamination is not located near the proposed well (information attached).

An NPDES permit is required.

Other relevant DOH rules/regulations, information, or recommendations are attached.

No comments/objections

Contact Person: Bill Wong
Phone: 587-0255

Signed: Bill Wong
Date: 11/12/02
October 25, 2002

TO: Honorable Bruce S. Anderson, Director
Department of Health
Attention: Dennis Tulang, Wastewater Branch
William Wong, Safe Drinking Water Branch
Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response
Alec Wong, Clean Water Branch

FROM: Gilbert S. Coloma-Agaran, Chairperson
Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
Buyers Well (Well No. 5206-02)

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[ ] It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

[ ] For the applicant's information, a source of possible wastewater contamination [ ] is located near the proposed well site (information attached).

[ ] An NPDES permit is required.

[ ] Other relevant DOH rules/regulations, information, or recommendations are attached.

No comments/objections

Contact Person: Lori N. Kajiwara
Phone: 586-4294

Signed: Lori N. Kajiwara
Date: 11-7-2002
TO: Honorable Bruce S. Anderson, Director  
Department of Health  
Attention: Dennis Tulang, Wastewater Branch  
William Wong, Safe Drinking Water Branch  
Dr. Keith Kawakoa, Hazardous Evaluation and Emergency Response  
Alec Wong, Clean Water Branch

FROM: Gilbert S. Coloma-Agaran, Chairperson  
Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application  
Buyers Well (Well No. 5206-02)

STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT  
P.O. BOX 621  
HONOLULU, HAWAII 96822

October 25, 2002

Transmitted for your review and comment is a copy of the captioned Pump Installation permit application.

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by November 27, 2002. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255.

R:ss  
Attachment(s)

RESPONSE:

This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-29.

This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 15 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before initiating such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.

If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and backflow connections by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable systems with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.

It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

For the applicant's information, a source of possible wastewater contamination [ ] [ ] is not located near the proposed well site (information attached).

An NPDES permit is required.

Other relevant DOH rules/regulations, information, or recommendations are attached.

No comments/objections.  
We defer to wastewater and drinking water concerns.

Contact Person: Dr. Keith Kawakoa  
Phone: 586-4249

Signed: [Signature]  
Date: 11/02

Fax to: Commission on Water Resources Management: 587-0219
October 25, 2002

TO: Dede Mamiya, Administrator
Land Division

FROM: Linnel T. Nishioka, Deputy Director
Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
Buyers Well (Well No. 5206-02)

Transmitted for your review and comment is a copy of the captioned Pump Installation permit application.

We would appreciate your comments on the captioned application with regard to the programs, plans, and objectives specific to your division. Please respond by returning this cover memo form by November 27, 2002. If we do not receive comments or a request for additional review time by this date, we will assume you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255.

RESPONSE:

[ ] A water lease/permit is required of this applicant and an application for such will be requested by our division.

[ ] A water lease/permit is not required of this applicant.

[ ] A water lease/permit has been obtained by the applicant through lease no. ____________________ .

[ ] This well project [ ] requires [ ] does not require a CDUP. If a CDUP is required it [ ] has [ ] has not been approved and [ ] is [ ] is not currently active. Map locates the well squarely in the Resource subzone and nearly adjacent to land owned by the applicant that is not in the conservation district. Applicant may have incorrectly indicated well's location.

[ ] No objections on the map submitted.

[ ] Other comments: Original source of private title is Grant 9: issued prior to Statehood in 1959.

Contact Person: Gary Martin

Signed: Gary Martin
TO:        Honorable Bruce S. Anderson, Director  
Department of Health  
Attention: Dennis Tulang, Wastewater Branch  
William Wong, Safe Drinking Water Branch  
Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response  
Alec Wong, Clean Water Branch  

FROM:     Gilbert S. Coloma-Agaran, Chairperson  
Commission on Water Resource Management  

SUBJECT: Pump Installation Permit Application  
Buyers Well (Well No. 5206-02)  

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Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255.  

RI:ss  
Attachment(s)  

**RESPONSE:**  

- The well qualifies as a source which will serve as a source of possible water to a public water system (defined as serving 25 or more people at least 60 days per year or has 15 or more service connections) and must receive Director of Health approval prior to use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-20.  

- This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 15 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before initiating such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.  

- If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and backflow connections by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable supplies with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.  

- It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.  

- For the applicant’s information, a source of possible wastewater contamination is not located near the proposed well site (information attached).  

- An NPDES permit is required.  

- No comments/objections  

**Contact Person:** Alec Wong  
**Phone:** 586-4309  
**Signed:** Alec Wong  
**Date:** 11/10/02
The Department of Health, Clean Water Branch has the following comments:

1. **For Well-Drilling Activities**

   Any discharge to State waters of treated process wastewater effluent associated with well drilling activities is regulated by Hawaii Administrative Rules, Title 11, Chapter 55, Appendix I, effective September 22, 1997. Treated process wastewater effluent covered by this general permit includes well drilling slurries, lubricating fluids wastewaters, and well purge wastewaters. This general permit does not cover well pump testing. The applicable Notice of Intent Forms and filing fee shall be submitted at least thirty (30) days before the start of discharge to the Department of Health, Clean Water Branch at 919 Ala Moana Boulevard, Room 301, Honolulu, Hawaii 96814-4920 or P.O. Box 3378, Honolulu, Hawaii 96801-3378. Inquiries may be directed to the Clean Water Branch at (808) 586-4309 or by fax at (808) 586-4352.

2. **For Well Pump Testing**

   The discharger shall take all measures necessary to prevent the discharge of pollutants from entering State waters. Such measures shall include, if necessary, containment of the initial discharge until the discharge is essentially free of pollutants. If the discharge is entering a stream or river bed, best management practices shall be implemented to prevent the discharge from disturbing the clarity of the receiving water. If the discharge is entering a storm drain, the discharger must obtain written permission from the owner of that storm drain prior to discharge. Furthermore, best management practices shall be implemented to prevent the discharge from collecting sediments and other pollutants prior to entering the storm drain.

   JS/cr
Pump Installation Permit Application for Well No. 5206-02

We acknowledge receipt, on October 7, 2002, of your completed Pump Installation permit application and filing fee for the Buyers Well (Well No. 5206-02). You can expect your application to be processed within ninety (90) days from this date.

Please be aware that your proposed driller has unfinished business with the Water Commission, and it may have to be resolved before we can accept his signature on a permit, and no work shall commence unless a copy of the permit has been fully signed by both permittee and driller.

For your information, the process of constructing a well is normally regulated and permitted in two (2) steps. First, a well construction permit is issued for drilling and testing purposes only. Based upon information provided by you through a Well Completion Report Part 1 (Well Construction), a pump installation permit (upon completed application) may then be issued to authorize pump work. If a pump is installed then a Well Completion Report Part 2 (Pump Installation) is required.

If you have any questions about your permit application, please contact Ryan Imata of the Commission staff at 587-0255 or toll-free at 974-4000 (Hawaii), 274-3141 (Kauai), 984-2400 (Maui), or 1-800-468-4644 (Lanai & Molokai) extension 70255.

Sincerely,

LINNEL T. NISHIOKA
Deputy Director

RI:ss
October 25, 2002

TO: Honorable Bruce S. Anderson, Director  
Department of Health  
Attention: Dennis Tulang, Wastewater Branch  
William Wong, Safe Drinking Water Branch  
Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response  
Alec Wong, Clean Water Branch

FROM: Gilbert S. Coloma-Agaran, Chairperson  
Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application  
Buyers Well (Well No. 5206-02)

Transmitted for your review and comment is a copy of the captioned Pump Installation permit application.

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by November 27, 2002. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255.

RESPONSE:

[ ] This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems. §11-20-29.

[ ] This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 15 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before initiating such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.

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[ ] It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

[ ] For the applicant's information, a source of possible wastewater contamination [ ] is [ ] not located near the proposed well site (information attached).

[ ] An NPDES permit is required.

[ ] Other relevant DOH rules/regulations, information, or recommendations are attached.

[ ] No comments/objections

Contact Person: _____________________________ Phone: _____________________________

Signed: _____________________________ Date: _____________________________
TO: Dede Mamiya, Administrator  
Land Division 

FROM: Linnel T. Nishioka, Deputy Director  
Commission on Water Resource Management 

SUBJECT: Pump Installation Permit Application 
Buyers Well (Well No. 5206-02) 

Transmitted for your review and comment is a copy of the captioned Pump Installation permit application. 

We would appreciate your comments on the captioned application with regard to the programs, plans, and objectives specific to your division. Please respond by returning this cover memo form by November 27, 2002. If we do not receive comments or a request for additional review time by this date, we will assume you have no comments. 

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255. 

RESPONSE: 
[ ] A water lease/permit is required of this applicant and an application for such will be requested by our division. 
[ ] A water lease/permit is not required of this applicant. 
[ ] A water lease/permit has been obtained by the applicant through lease no. __________________________. 
[ ] This well project [ ] requires [ ] does not require a CDUP. If a CDUP is required it [ ] has [ ] has not been approved and [ ] is [ ] is not currently active. 
[ ] Other relevant Land Division rules/regulations, information, or recommendations are attached. 
[ ] No objections 
[ ] Other comments: 

Contact Person: ___________________________ Phone: _______________ 
Signed: ___________________________ Date: ___________________
TO:    Don Hibbard, Administrator
       Historic Preservation
FROM:  Linnel T. Nishioka, Deputy Director
       Commission on Water Resource Management
SUBJECT: Pump Installation Permit Application
         Buyers Well (Well No. 5206-02)

Transmitted for your review and comment is a copy of the captioned Pump Installation permit application.

We would appreciate your comments on the captioned application with regard to the programs, plans, and objectives specific to your division. Please respond by returning this cover memo form by November 27, 2002. If we do not receive comments or a request for additional review time by this date, we will assume you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255.

RESPONSE:

[ ] There may be areas in the vicinity of the well site that contain subsurface cultural remains such as artifacts, burials or concentrations of shells or charcoal.
[ ] Other relevant Historic Preservation rules/regulations, information, or recommendations are attached.
[ ] No objections
[ ] Other comments:

Contact Person: _____________________________  Phone: __________________

Signed: _____________________________  Date: __________________
<table>
<thead>
<tr>
<th>F YR APP D</th>
<th>SRC OBJ</th>
<th>COST</th>
<th>CTR</th>
<th>PROJECT</th>
<th>PH ACT</th>
<th>AMOUNT</th>
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REMARKS: LINE (1) Well No. 5206-02
LINE (2)
LINE (3)
LINE (4)

Resource Manager $25.00 twenty five dollars and no/100-- DOLLARS

TAX TO THE ORDER OF Commission on Water Resource Management $25.00
twenty five dollars and no/100---
**COMMISSION ON WATER RESOURCE MANAGEMENT**

**ROUTE SLIP FOR NEW APPLICATIONS**

**FROM:** RYAN  
**DATE:** 9-Oct-02  
**SUSPENSE DATE:** __________  

**TO:**  
BAUER, G.  
CHING, F.  
FUJII, N.  
HARDY, R.  
HIGA, D.  
HIRANO, E.  
ICE, C.  
IMATA, R.  
JINNAI, R.  
KUNIMURA, I.  

**INIT:**  

**TO:**  
LOM, A.  
NAKAMA, L.  
NAKANO, D.  
NISHIOKA, L.  
OHYE, M.  
SAKODA, E.  
SUGI, S.  
SWANSON, S.  
UYENO, D.  
YODA, K.  

**INIT:**  

**FOR:**  
3 Approval  
3 Signature  
4 Information  

**PLEASE:**  
See Me  
1 Review & Comment  
Take Action  
5 Type Draft acknow letter  
2 Type Final, label new file folder  
5 File  
Xerox ______ copies  

---

**WELL NUMBER** 5206-02  
**WELL NAME** Buyers  

**ATTACHMENTS FOR APPLICATION PROCESSING** - Both applicant & staff generated  
1 TRANS. LETTER  
2 CWRM-MAP  
3 APPL. FORM (3X)  
4 USGS MAPS (3X)  
5 TAX MAPS (3X)  
6 PARCEL OWNER VERIF.  
7 CONTRACTOR VERIF.  
8 ALL INFO FILLED IN  
9 BACKGROUND CHECK  

**FOLDER:**  
MADE NEW FILE FOLDER, ATTACHED  
FILE FOLDER ALREADY MADE, IN FILE CABINET  

**INCOMPLETE ACTION DATES:**

**DATE**  
**ACTION**  

---

Driller has lots of outstanding issues - Drill # at least
APPLICATION FOR PERMIT

1. Well Owner: J.W.A. Buyers
   Contact Person: same
   Mailing Address: [Address information]
   Phone: [Phone number]
   E-mail: [E-mail address]

2. Land Owner: same
   Contact Person: same
   Mailing Address: [Address information]
   Phone: [Phone number]
   E-mail: [E-mail address]

3. Contractor: Wa'el'sell Drilling
   Contact Person: Bob Richardson
   Phone: 324-1420
   Mailing Address: P.O. Box 5685 Kailua-Kona, HI 96745
   Fax: 322-0928
   E-mail: mowater@konacoast.com

WELL & PUMP INFORMATION:

2. WELL NAME: Buyers Well
   Island: Hawaii
   Address: Honomu Makai-Honomu
   Tax Map Key: 2 - 8 - 15 - 01

3. PROPOSED WORK:
   (check all that apply)
   - Construct New Well
   - Install New Pump*
   - Modify Existing Well
   - Modify Pump*
   - Abandon/Seal

   *State Well No.: 5206-02
   (if unknown, please call Commission at 587-0223)

4. CONSTRUCTION:
   - Drilled
   - Dug
   - Shaft
   - Tunnel
   - Is this well part of a battery of wells? Yes
   - No (Please describe)

5. PROPOSED PUMP INFORMATION:
   - Rated Pump Capacity: 15 gallons per minute
   - Pump Type (Check one):
     - Deep Well Turbine
     - Rotary
     - Propeller
     - Submersible
     - Rotary-Displacement
     - Reciprocating
     - Centrifugal
     - Rotary-Gear
     - Impulse

6. PROPOSED USE:
   (check all that apply)
   - Municipal (including hotels, stores, etc.)
   - Industrial
   - Domestic (individual, noncommercial water system)
   - Does this well serve 25 or more people at least 60 days per year or have 15 or more service connections? Yes
   - No
   - Irrigation (crop)
   - Military
   - Other (explain):

7. PROPOSED AMOUNT OF WITHDRAWAL:
   - 17,000 gallons per day
   - METHOD OF FLOW MEASUREMENT:
     - Flowmeter
     - Open pipe
     - Well
     - Office
     - Other (explain):

8. LEGAL REQUIREMENTS:
   - CDUP
   - SNAP
   - EIS
   - EA
   - None
   - Other (explain)

9. REMARKS, EXPLANATIONS:

   [Additional remarks or explanations, if more space is needed, please attach additional sheet]

[Signatures and dates of all parties involved]
Mr. J.W.A. Buyers

Dear Mr. Buyers:

Pump Installation Permit for the Buyers Well (Well No. 5206-02)

To date, we have not received a copy of your signed and validated permit. Condition 8 of your permit states that:

"The permit may be revoked if work is not started within six (6) months after the date of approval..."

Also note that the cover letter of your permit states that:

"Unless specifically exempted, pump installation may not proceed without a validated permit returned to the Commission."

Please explain why a validated permit was not returned to the Commission, and whether or not you still intend to install a pump in this well.

Please respond to the above item(s) within sixty (60) days of this letter's date. Failure to do so may result in fines of up to $1000 per day.

If you have any questions, please contact Ryan Imata of the Commission staff at 587-0255 or toll-free at 974-4000, extension 70255.

Sincerely,

LINNEL T. NISHIOKA
Deputy Director
<table>
<thead>
<tr>
<th>TO:</th>
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Mr. J.W.A. Buyers

Dear Mr. Buyers:

Enclosed are two (2) originals of your approved Pump Installation Permit for the captioned well(s) that authorize permanent pump installation work for your well(s). As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 11:

Special Conditions

1. No special conditions

The permittee is responsible for all conditions of the permit. This includes ensuring that the pump installation contractor, or other party who installs the pump, submits a completed Part II of the Well Completion Report form (enclosed) within sixty (60) days after the pump installation work is completed. Be advised that you may be subject to fines of up to $1000 per day for any violations of your permit conditions starting from the permit approval date.

To validate your pump installation permit, please sign and have the contractor sign both permit originals and return one for our files. A copy of the Well Completion Report (Part II) and a copy of your water use report form are enclosed for your use.

IMPORTANT - Unless specifically exempted, pump installation may not proceed without a validated permit returned to the Commission. Except for the monthly water use report form, please provide copies of all the information in this packet to your pump installation contractor.

Finally, this letter is notice that we have accepted your Well Completion Report - Part I as complete.

If you have any questions, please call Ryan Imata of the Commission staff at 587-0255 or toll-free at 974-4000, extension 70255.

Aloha,

[Signature]

for: TIMOTHY E. JOHNS
Chairperson

Enclosure
PUMP INSTALLATION PERMIT

Buyers Well, Well No. 5206-02

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the pump installation for Buyers Well (Well No. 5206-02) at Honomo Makai, Hawaii, TMK 2-8-15: 01, subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97) which include but are not limited to the following conditions:

1. The Chairperson to the Commission on Water Resource Management (Commission), P.O. Box 621, Honolulu, HI 96809, shall be notified, in writing, at least two (2) weeks before any work covered by this permit commences and staff shall be allowed to inspect installation activities in accordance with §13-168-15, Hawaii Administrative Rules.

2. The pump installation permit shall be for installation of a 15 gpm capacity, or less, pump in the well.

3. The permittee shall provide and maintain an approved meter or other appropriate means for measuring and reporting withdrawals and water levels, and appropriate devices or means for measuring chlorides and temperature. These data shall be measured monthly and reported to the Commission on a monthly basis, on forms provided by the Chairperson (attached).

4. The proposed use shall not adversely affect existing or future legal uses of water in the area, including any surface water or established instream flow standards. This permit or the authorization to pump water from a well shall not constitute a determination of correlative water rights. The permittee is notified and by this provision understands that the quantity of water taken from the well could be reduced by the Commission in the future. This permit is not a commitment that the pump capacity permitted here or even some lesser amount is guaranteed in the future.

5. The permittee shall complete and submit as-built drawings and Part II - (Permanent) Pump Installation Report of the Well Completion Report (attached) to the Chairperson within sixty (60) days after completion of work.

6. The permittee shall comply with all applicable laws, rules, and ordinances, and non-compliance may be grounds for revocation of this permit.

7. The pump installation permit application is incorporated into this permit by reference and is subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97). If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

8. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the pump installation permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Chairperson upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Chairperson no later than three (3) months prior to the date the permit expires. If the commencement date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

9. If the well is not to be used it must be properly capped. If the well is to be abandoned then the permittee must apply for a well abandonment permit in accordance with §13-168-12(f) prior to any well sealing or plugging work.

10. The permittee, its successors, and assigns shall indemnify, defend, and hold the State of Hawaii harmless from and against any loss, liability, claim, or demand for property damage, personal injury, or death arising out of any act or omission of the applicant, assigns, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

11. Special conditions in the attached cover transmittal letter are incorporated herein by reference.

Date of Approval: April 30, 1999
Expiration Date: April 30, 2001

TIMOTHY E. JOHNS, Chairperson
Commission on Water Resource Management

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I do not hold a valid permit until I and the pump installer have signed, dated, and returned the permit to the Commission. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day starting from the permit date of approval.

Permittee's Signature: ___________________________ Date: ____________
Printed Name: ___________________________ Firm or Title: ____________

Installer's Signature: ___________________________ Date: ____________
Printed Name: ___________________________ C-57, C-57a, or A License #: ____________
Firm or Title: ____________

Attachments: USGS
Department of Health/ Safe Drinking Water & Wastewater Branch
Hawaii Department of Water Supply

Please sign both copies of this permit, return one to the Chairperson, and retain the other for your records.
<table>
<thead>
<tr>
<th>TO:</th>
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<td>UWAINIE, J.</td>
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<td>UYENO, D.</td>
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<td>JOHNS, T.</td>
<td></td>
<td>YODA, K.</td>
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</tbody>
</table>

Just not as-built. Is this okay?
TRANSMITTAL SHEET

Date: 3-30-99
Local Time: 3:25 am pm
FROM: FAX # (808) 322-0928

Keauhou-Kona, Hawaii USA

Transmitted by: Theresa

Telephone #: (808) 324-1420

TO: FAX # ( ) 587-0219

Name of Co.: CURM

Telephone #: ( )

Attention: Ryan

Number of pages being transmitted including this page: 2

Special Instructions (if checked):

_____ URGENT - IMMEDIATE REPLY IS REQUESTED

_____ Please fax/telephone to confirm receipt of foregoing

_____ For your information

_____ For your signature; return signed copy to this office

_____ Other: Buyers - As Built

A Water Development Joint Venture

P.O. Box 5685, Kailua-Kona, Hawaii 96745 • (808) 324-1420 • Fax (808) 322-0928

Please notify sender immediately if the documents received are incomplete and/or illegible.
Buyers well # 5206-02

Elev. cut @ 70' 89.38 msl

1 1/4" hole

5" E.D. P.V.C. Casing (TOTAL 100.9 ft)
+ 15' slotted
85' Casing.

Cement 0'-65' G.L.

Cement snug
Top of gravel pack
@ 65'

Top of Ref. CQ
@ 70'

(TOTAL 15' slotted CQ)

Gravel 65'-85'
Btm. of CQ
@ 85'

20' open hole
1 1/2"

T.D. 105'

Static H2O @ 50' msl

39.38 msl \( \frac{3}{4} \)

C1 = 16 ppm

Water table
8' G.L.
**WCR 1 Check for Well No. 5206-02** (survey to regulation memo)

### 1. **Pump Tests Check**

<table>
<thead>
<tr>
<th>Glenn Bauer (initial)</th>
<th>Yes</th>
<th>No</th>
<th>If no, describe deficiency</th>
</tr>
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<tbody>
<tr>
<td><strong>Step—Drawdown Test:</strong></td>
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<tr>
<td>acceptable</td>
<td>☐</td>
<td>☐</td>
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<tr>
<td>followed WCPI Stds</td>
<td>☐</td>
<td>☐</td>
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<tr>
<td>analysis attached</td>
<td>☐</td>
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<tr>
<td>proposed pump cap o.k.</td>
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<tr>
<td><strong>Aquifer Pump Test:</strong></td>
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<td>followed WCPI Stds</td>
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<td>T &amp; S analysis attached</td>
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<td><strong>Well Interference:</strong></td>
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<tr>
<td>estimated Steady-State</td>
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<tr>
<td>drawdown at 1-mile radius is _____ ft.</td>
<td>☐</td>
<td>☐</td>
<td>analysis attached</td>
</tr>
<tr>
<td>analysis attached</td>
<td>☐</td>
<td>☐</td>
<td></td>
</tr>
<tr>
<td><strong>Stream Surface Water Impacted:</strong></td>
<td>☐</td>
<td>☐</td>
<td>If yes, identify most probable stream</td>
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</table>

### 2. **Construction Check**

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<tr>
<th>Mitch Ohye (initial)</th>
<th>Yes</th>
<th>No</th>
<th>If no, describe deficiency</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
<td>followed WCPI Stds</td>
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<td>welaplic.dbf updated</td>
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</table>
Buyer's well # 5206-02

Elev. 207' @ 70' 89.38' NSL

1 1/2" hole

5" I.D. P.V.C. casing
(TOTAL 70' plain)
+ 15' slotted
85' casing.

Cement 0'-65' g.l.

Cement Stab
Top of gravel pack @ 65'

Top of Ref. Casing @ 70'
(TOTAL 15' slotted casing)

Gravel 65'-85'
Com. of casing @ 85'

20' open hole
4 1/2"
W.T.D. 105'
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources

WELL COMPLETION REPORT

3/20/96 WCR Form

WELL CONSTRUCTION REPORT

1. State Well No.: 5206-02    Well Name: Buyers    Island: Hawaii
2. Location/Address: Honomu, Hawaii    Tax Map Key: 2-8-015:001

PART I.

3. Drilling Company: WAI'ELI DRILLING & DEVELOPMENT
4. Name of driller who performed work: TOM HELFICH
5. Type of rig/construction: ROTARY
6. Date(s) Well Construction and pump tests (if any) completed: 7/23/97
7. GROUND ELEVATION (referred to mean sea level, msl): 39.38 ft.
   Well Bench Mark (description/location): TOP of PVC pipe
   Elevation(msl): 90.25 ft.
8. DRILLER'S LOG: Please attach geologic log (if available or if required by permit)

<table>
<thead>
<tr>
<th>Depths (ft.)</th>
<th>Rock Description, Water Level, Dates, etc.</th>
<th>Depths (ft.)</th>
<th>Rock Description, Water Level, Dates, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 105'</td>
<td>mixed, basaltic/</td>
<td>to</td>
<td>cinder layers</td>
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<td>(If more space is needed, continue on back.)</td>
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</tbody>
</table>

10. Hole size: 11.5" inch dia. from 0 to 85 ft. below ground
    4.5" inch dia. from 85 to 105 ft. below ground
11. Casing installed: 5.0 in. I.D. x 25 in. wall solid section to 70 ft. below ground
    5.0 in. I.D. x 25 in. wall perforated section to 85 ft. below ground
    Casing Material/Slot Size: PVC homemade
12. Annulus:
    Gravel packed from 0 ft. below ground to 65 ft. below ground
    Gravel packed from 65 ft. below ground to 85 ft. below ground
13. Initial water level: 50 ft. below ground.
14. Initial chloride: 16.3 ppm
15. Initial temperature: 78°F
16. PUMPING TESTS: Reference Point (R.P.) used: Not required, which elevation is
    (1) Step-Drawdown Test Date
    Start water level __________________ ft. below R.P.
    End water level __________________ ft. below R.P.
    (2) Long-term Aquifer Test Date
    Start water level __________________ ft. below R.P.
    End water level __________________ ft. below R.P.
17. Aquifer Pump Test Procedures data & graphs (1/8/96 LTAT Form) attached? Yes No
18. As-built drawings attached? Yes No
19. Other remarks/comments: (Or back of this form)

Well Drilling Contractor: WAI'ELI DRILLING
C-57 Lic. No. C 16543
Signature
Date 2/16/99

Surveyor (print) DONALD JAMES MURRAY
Lic. No. 5 1247
Signature
Date 2/28/99

Applicant (print) G.W.A. BUYERS
Signature
Date 4/6/97
PART II. (PERMANENT) PUMP INSTALLATION

20. Pump Installation Company:

21. Name of person performing work:

22. Date Pump Installation Completed:

23. PUMP INSTALLATION:
   Pump Type, Make, Serial No.: ____________________________ Capacity: _______ gpm
   Motor type, H.P., Voltage, rpm: ____________________________
   Depth of Pump Intake Setting _______ ft. below _______, which elevation is _______ ft.
   Depth to bottom of airline _______ ft. below _______, which elevation is _______ ft.
   Pumping Head is _______ ft. Type of flow meter: _______ which measures in _______

24. As-built drawings attached? __ Yes ___ No

25. Other remarks/comments: (See below)

Pump Installation Contractor (print) ____________________________ C-57 Lic. No. ____________________________
Signature ___________________________________________ Date ____________________________

Applicant (print) ____________________________________________
Signature ___________________________________________ Date ____________________________

8.(cont'd) DRILLER'S LOG (cont'd):

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19. & 25. Remarks:
__________________________________________________________________________________________
__________________________________________________________________________________________
__________________________________________________________________________________________
__________________________________________________________________________________________
__________________________________________________________________________________________
__________________________________________________________________________________________
__________________________________________________________________________________________
WELL SITE

Located Within a Portion of
R. F. Grant 012 to Puu, Nakua and Alohikea
Kuhua, South Hilo, Hawaii, Hawaii

Survey and Map by Murray, Smith & Associates Ltd.

M.O. Box 809
Hilo, Hawaii

THK 2RD/2.8.18.1
November 24, 1987

THK 3RD/2.8.18.1
November 24, 1987

4000 TDS "BOO" P.B. 472
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In accordance with Department of Land and Natural Resources, Commission on Water Resource Management’s Administration Rules, Section 13-168, entitled “Water Use, Wells, and Stream Diversion Works”, this document permits the construction and testing of the Well (Well No. 5206-02) at Honomu Makal-Honomu, Hawaii, TMK 2-8-15:01, subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97) which include but are not limited to the following conditions:

1. The Chairperson of the Commission on Water Resource Management (Commission), P.O. Box 62, Honolulu, HI 96859, shall be notified, in writing, at least two (2) weeks before any work authorized by this permit commences.

2. The well construction permit shall be for construction and testing of the well only. A minimum one-inch diameter permanent installation shall be permanently installed, in a manner acceptable to the Chairperson, to accurately record water levels. The installation shall coordinate with the Chairperson and conduct a pumping test in accordance with the attached Aquifer Pump Testing Procedure (attached). The permittee shall submit to the Chairperson the test results as a basis for supporting an application to install a permanent pump and withdraw water for use. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson.

3. In basal ground water, the depth of the well may not exceed one-fourth (1/4) of the theoretical thickness (41 times initial head) of the basal ground water unless otherwise authorized by the Chairperson.

4. The permittee shall incorporate mitigation measures to prevent construction debris from entering the aquatic environment, to schedule work to avoid periods of high rainfall, and to revegetate any cleared areas as soon as possible.

5. In the event that subsurface cultural remains such as artifacts, burials or concentrations of shells or charcoal are encountered during construction, the permittee shall stop work and contact the Department's Historic Preservation Division (587-0045) immediately.

6. The proposed well construction shall not adversely affect existing or future legal uses of water in the area, including any surface water or established instream flow standards. This permit or the authorization to construct the well shall not constitute a determination of correlative water rights.

7. The following shall be submitted to the Chairperson within sixty (60) days after completion of work:
   b. Elevation (referenced to mean sea level, msl) survey by a Hawaii-licensed surveyor.
   c. As-built sectional drawing of the well.
   d. Plot plan and map showing the exact location of the well.
   e. Complete pumping test records, including time, pumping rate, drawdown, chloride content, and other data.

8. The permittee shall comply with all applicable laws, rules, and ordinances, and non-compliance may be grounds for revocation of this permit.

9. The well construction permit application is incorporated into this permit by reference and is subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97).

10. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Chairperson upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Chairperson no later than three (3) months prior to the date the permit expires. If the commencement date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

11. If the well is not to be used it must be properly capped. If the well is to be abandoned then the permittee must apply for a well abandonment permit in accordance with §13-168-12(f) prior to any well sealing or plugging work.

12. Special conditions in the attached cover transmittal letter are incorporated herein by reference.

Date of Approval: March 4, 1997
Expiration Date: March 4, 1999

MICHAEL D. WILSON, Chairperson
Commission on Water Resource Management

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day.

Permittee's Signature: ________ Date: 6/6/97
Printed Name: J.W.A. ROYERS
Firm or Title: __________

Driller's Signature: ________ Date: 6/6/97
Printed Name: C.D. STEWART
Firm or Title: WAI ELI CON. 2001.

Please sign both copies of this permit, return one to the Chairperson, and retain the other for your records.

Attachment
C: USGS
Department of Health/ Safe Drinking Water & Wastewater Branches
Hawaii Department of Water Supply
Dear Mr. Buyers:

Well Construction Permit
Buyers Well (Well No. 5206-02)

Enclosed are two (2) copies of your approved Well Construction Permit which authorizes well construction activities but excludes installation of your permanent pump. As part of the Chairperson’s approval, the following special conditions were added and are part of your permit under Permit Condition 12:

Special Conditions

1. The annular space of wells to be grouted must be a minimum of three inches all around the casing to permit effective placement of grout with a tremie pipe having a minimum diameter of 1 1/4 inches. Should casing with collars be used, the drilled hole shall be increased to provide a minimum three-inch annular space at the collars.

This permit does not authorize work for your permanent pump installation. Approval and issuance of your pump installation permit is contingent upon information provided to and accepted by Commission staff from the aquifer pumping test results, as required in Well Construction & Pump Installation Standards (1/23/97), performed under this permit.

The well owner is responsible for all conditions of the permit. This includes ensuring that the well construction contractor, or other party who constructs the well(s), submits a completed Part I of the Well Completion Report form (enclosed) within sixty (60) days after the well construction work is completed. Be advised that you may be subject to fines of up to $1000 per day for any violations of your permit conditions.

Please sign and have the contractor sign the permit originals and return one for our files. Also, copies of the aquifer pump test procedure and the well completion report form are enclosed for your use. Please provide all the information in this packet to your well drilling contractor.

Also attached for your reference is a copy of review comments by the Department of Health’s Safe Drinking Water Branch.

If you have any questions, please call Mr. Ryan Imata of Commission staff at 587-0255 or toll-free at 974-4000, extension 70255.

Aloha,

MICHAEL D. WILSON
Chairperson
WELL CONSTRUCTION PERMIT
Buyers Well, Well No. 5206-02

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the construction and testing of Buyers Well (Well No. 5206-02) at Honomu Makai - Honomu, Hawaii, TMK 2-8-15:01, subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97) which include but are not limited to the following conditions:

1. The Chairperson of the Commission on Water Resource Management (Commission), P.O. Box 621, Honolulu, HI 96809, shall be notified, in writing, at least two (2) weeks before any work authorized by this permit commences.

2. The well construction permit shall be for construction and testing of the well only. A minimum one-inch diameter monitor tube shall be permanently installed, in a manner acceptable to the Chairperson, to accurately record water levels. The permittee shall coordinate with the Chairperson and conduct a pumping test in accordance with the attached Aquifer Pump Testing Procedure (attached). The permittee shall submit to the Chairperson the test results as a basis for supporting an application to install a permanent pump and withdraw water for use. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson.

3. In basal ground water, the depth of the well may not exceed one-fourth (1/4) of the theoretical thickness (41 times initial head) of the basal ground water unless otherwise authorized by the Chairperson.

4. The permittee shall incorporate mitigation measures to prevent construction debris from entering the aquatic environment, to schedule work to avoid periods of high rainfall, and to revegetate any cleared areas as soon as possible.

5. In the event that subsurface cultural remains such as artifacts, burials or concentrations of shells or charcoal are encountered during construction, the permittee shall stop work and contact the Department's Historic Preservation Division (587-0045) immediately.

6. The proposed well construction shall not adversely affect existing or future uses of water in the area, including any surface water or established instream flow standards. This permit or the authorization to construct the well shall not constitute a determination of correlative water rights.

7. The following shall be submitted to the Chairperson within sixty (60) days after completion of work:
   b. Elevation (referenced to mean sea level, msl) survey by a Hawaii-licensed surveyor.
   c. As-built sectional drawing of the well.
   d. Plot plan and map showing the exact location of the well.
   e. Complete pumping test records, including time, pumping rate, drawdown, chloride content, and other data.

8. The permittee shall comply with all applicable laws, rules, and ordinances, and non-compliance may be grounds for revocation of this permit.

9. The well construction permit application is incorporated into this permit by reference and is subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97).

10. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Chairperson upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Chairperson no later than three (3) months prior to the date the permit expires. If the commencement date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

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12. Special conditions in the attached cover transmittal letter are incorporated herein by reference.

Date of Approval: March 4, 1997
Expiration Date: March 4, 1999

MICHAEL D. WILSON, Chairperson
Commission on Water Resource Management

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day.

Permittee's Signature: ___________________________ Date: _____________
Printed Name: ________________________ Firm or Title: ________________________

Driller's Signature: ___________________________ Date: _____________
Printed Name: ________________________ Firm or Title: ________________________

Please sign both copies of this permit, return one to the Chairperson, and retain the other for your records.

Attachment

c: USGS
Department of Health/ Safe Drinking Water & Wastewater Branches
Hawaii Department of Water Supply
Well No. 5206-02  Date of Review 2/25/97
Well Name Buyers Well  Reviewer RRI
Applicant JWA Buyers

SECTION 1: WELL LOCATION INFORMATION

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<th>Hawaii</th>
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<th>domestic</th>
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<td>Hakalau</td>
<td>Proposed Withdrawal</td>
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<td>Aquifer Sector</td>
<td>E. Mauna Kea</td>
<td>System Sustainable Yield</td>
<td>388 mgd</td>
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SECTION 2: WELL SECTION DATA

| Elevation at top of casing | 51 ft., m.s.l. | Solid Casing | PVC |
| Ground Elevation | 50 ft., m.s.l. | Designation | Sch 80 |
| Cement Grount | 50 ft. | Length | 75 ft. |
| Rock Packing | 30 ft. | Diameter | 3 in. |
| Hole Diameter | 575 in. | Wall Thickness | 0.353 in. |
| Total Depth | 80 ft. | Casing | assumed |

| Estimated Head | 287 ft. |
| Calculated Aquifer Thickness | 287 ft. |
| County Water Supply (Y/N ?) | N |

SECTION 3: CHECKLIST

| Well Depth |
| Theoretical Thickness of Aquifer | 287 ft. |
| 1/4 Aquifer Thickness | 71.75 ft. |
| Depth of Well below Sea Level | 30 ft. okay |

| Well Casing |
| Minimum Wall Thickness |
| Material | PVC |
| County or Non-County | non-county |
| Minimum Thickness per standards | 0.375 in. |
| Wall Thickness Provided | 0.353 in. |
| Minimum Length of Solid Casing | 38.7 ft. |

| 90% of ground to top of aquifer | 65 ft. okay |
| Casing Material | Sch 80 |
| Annular Space |
| Depth of Grouting | 30.1 ft. |
| Calculated Depth of Grouting | 50 ft. okay |
| Thickness of Annular Space | 1.875 in. |

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Page 1
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<th>Aquifer System Code</th>
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<th>Well No.</th>
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<th>Code Owner/User</th>
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Well count for HAKALAU Aquifer System: 3
Well count for Island: 3
TO: Honorable Lawrence Miike, Director
Department of Health
Attention: Dennis Tulang, Wastewater Branch
William Wong, Safe Drinking Water Branch

FROM: Michael D. Wilson, Chairperson
Commission on Water Resources Management

SUBJECT: Well Construction Permit Application
Buyer's Well (Well No. 5206-02)

Transmitted for your review and comment is a copy of the captioned well application.

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by January 15, 1997.

Please find a map, attached, to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Mr. Ryan Imata of the Commission staff at 587-0255.

RESPONSE: ☑ We have no comments
( ) Comments attached

Contact Person: Lori N. Kajiwara

Signed: [Signature]

Phone: 586-294
Date: 1/7/97
In reply, please refer to: EMD / SDWB

To: Ryan Imata, DLNR, Commission on Water Resource Management

From: William Wong, P.E., Chief Safe Drinking Water Branch

Subject: WELL CONSTRUCTION PERMIT APPLICATION

Thank you for the opportunity to review and comment on the Well Construction Permit Application for:

Buyer's Well (No. 5206-02)

Federal and state regulations define a public water system as a system that serves 25 or more individuals at least 60 days per year or has at least 15 service connections. All public water system owners and operators are required to comply with Hawaii Administrative Rules, Title 11, Chapter 20, Rules Relating to Potable Water Systems.

The application indicates that this will be a new source of potable water. Section 11-20-29 of Chapter 20 requires that all new sources of potable water serving a public water system be approved by the Director of Health prior to its use. Such an approval is based primarily upon the submission of a satisfactory engineering report which addresses the requirements set in Section 11-20-29.

The permit application indicates that the source will be used for potable water. If the well doesn't provide water to a public water system, I recommend the private owner perform bacteriological and chemical analyses prior to usage as a drinking water source and thereafter perform routine analyses to monitor the water quality.

WW:la

Enclosures

c: Glenn Tomori, SDWB Sanitarian, Hawaii (w/enclosures)
TO:  Honorable Lawrence Miike, Director  
    Department of Health  
    Attention: Dennis Tulang, Wastewater Branch  
    William Wong, Safe Drinking Water Branch

FROM: Michael D. Wilson, Chairperson  
    Commission on Water Resources Management

SUBJECT: Well Construction Permit Application  
    Buyer's Well (Well No. 5206-02)

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We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by January 15, 1997.

Please find a map, attached, to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Mr. Ryan Imata of the Commission staff at 587-0255.

RRI: ss
Attachment(s)

RESPONSE: ( ) We have no comments  
( ) Comments attached

Contact Person: William Wong  
Phone: 586-4258

Signed: William Wong  
Date: 1/3/97
Mr. J.W.A. Buyers

Dear Mr. Buyers:

Well Construction / Pump Installation Permit Application for Well No. 5206-02

We acknowledge receipt, on December 24, 1996, of your completed well construction / pump installation permit application for the Buyer's Well (Well No. 5206-02). You can expect your application to be processed within ninety (90) days from this date.

If you have any questions about your permit application, please contact Mr. Ryan Imata of the Commission staff at 587-0255.

Sincerely,

RAE M. LOUI
Deputy Director

RRI:ss
TO: Honorable Lawrence Miike, Director
    Department of Health
    Attention: Dennis Tulang, Wastewater Branch
              William Wong, Safe Drinking Water Branch

FROM: Michael D. Wilson, Chairperson
      Commission on Water Resources Management

SUBJECT: Well Construction Permit Application
         Buyer’s Well (Well No. 5206-02)

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Please find a map, attached, to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Mr. Ryan Imata of the Commission staff at 587-0255.

RRI:ss
Attachment(s)

RESPONSE: ( ) We have no comments
          ( ) Comments attached

Contact Person: ___________________________ Phone: ___________________________

Signed: ___________________________ Date: ___________________________
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**REMARKS:**

LINE (1) Well No. 5206-02 (WCP/PIP)

LINE (2)

LINE (3)

LINE (4)

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**Explanation:**

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**Date:** 12/26/96

**To the Order of:**

Dept. of Land & Nat. Res. Well Permit

**Amount:** $25.00

**Check:** 7148

**Check Number:** 59-101-1213

**First Hawaiian Bank**

Kamehameha Branch, Hilo, Hawaii 96720

**Signature:**

Bruce A. Warren
APPLICATION FOR PERMIT

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. Application must be accompanied by a non-refundable filing fee of $25.00 payable to the Dept. of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at 808-586-0225.

1. APPLICANT: (circle primary contact a, b, or c) Primary Fax: 808-322-0928
   (a) WELL OWNER
   FirmName: J.W.A. BUYERS
   Contact Person: J.W.A. BUYERS
   Address: ____________________________________________
   (b) LANDOWNER
   FirmName: J.W.A. BUYERS
   Contact Person: J.W.A. BUYERS
   Address: ____________________________________________
   (c) CONTRACTOR
   FirmName: HAI'ELI DRILLING
   Phone: 324-1420
   Contractor's C-57 License No. C-16543
   Contact Person: DALE STROMQUIST
   Address: 78-6040 MAKOLEA KEAOUH, HI 96739

2. WELL LOCATION/NAME: BUYERS WELL
   Island: HAWAII
   Address: HONOMU MAKAI - HONOMU
   Tax Map Key: 2-8-15:01
   (Attach a USGS map, scale 1"=2000", and a property tax map showing well location referenced to established property boundaries.)

3. (a) PROPOSED WORK: 
   Drill New Well
   Modify Existing Well
   Deepen
   Redrill
   Abandon/Seal *
   Install New Pump
   Modify Pump
   Replace Pump
   * Be sure to complete and submit well abandonment report upon completion of work.
   (b) WELL TYPE:
   Dug
   Bored
   Driven
   Drilled
   Radial
   Is this well a part of a battery of wells? Yes No (Briefly describe and fill in the diagram on the back of this form.)

4. PROPOSED PUMP INFORMATION: Rated Pump Capacity: ___ gallons per minute
   Pump Type:
   Deep Well Turbine
   Submersible
   Centrifugal
   Deep Well Motor:
   Deep Well Diesel
   Deep Well Gas
   Deep Well Electric, rated horsepower:
   If Pump Replacement, Existing Pump Capacity: ___ gallons per minute

5. PROPOSED USE: 
   Municipal (including hotels, stores, etc.)
   Military
   Domestic (individual, noncommercial water sys.)
   Industrial
   Irrigation (crop)
   Other (explain)

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: ___ gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
   Flow-meter
   Open-pipe
   Orifice Plate
   Wair

7. PENDING ACTIONS: CDUA
   SMA
   EIS
   EA
   NONE
   Other(explain)
   Completion Date: ____________________________

8. REMARKS, EXPLANATIONS:
   (If more space is needed, continue on back)

I understand that approval of this application attaches the following standard conditions: 1) the proposed work is to be completed within two (2) years of the approval date; 2) the contractor shall submit to the Commission a well completion/abandonment report within 30 days after the completion date of the permitted work; 3) monthly water use data shall be submitted to the Commission; 4) such approval shall not constitute a determination of correlative water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity.

Well Owner: J.W.A. BUYERS
Landowner: J.W.A. BUYERS
Contractor: HAI'ELI DRILLING

Signature: ____________________________ Date: ________________
Signature: ____________________________ Date: ________________
Signature: ____________________________ Date: ________________

For Official Use Only:
Date Received
Date Accepted
Field Checked By
Date
Longitude
Latitude
Aquifer System Name
State Well No.
110995 WCP 1 Permit

* Per phone conversation 12/23/96
8. Remarks, Explanations (cont'd):

9. PROPOSED WELL SECTION

Elevation at top of casing
51 ft., msl.

Cement Grout: 50 ft.

Rock Packing: 30 ft.

Hole Diameter: 8-3/4 in.

Total Depth: 80 ft.

Ground Elevation: 50 ft., msl

Solid Casing:
Material: PVC
Length: 65 ft.
Diameter: 5 in.
Wall thickness: 353 in.

Casing:
Perforated
Material: PVC
Length: 15 ft.
Diameter: 5 in.
Wall thickness: 350 in.
Openings: 20 sq. in./F.

Open Hole:
Length: 0 ft.
Diameter: N/A in.

*Approximate elevation at time of filing application. Ground elevation above mean sea level (msl) by a surveyor licensed by the State must be submitted at start of construction. Final elevations of well components shall be submitted in the well completion/well abandonment reports.